CW#128b/HW128b: Mix Year Review

Geometry  
Due: Thursday, May 20th

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| G 301- Exhibit some knowledge of angles associated with parallel lines | | | G 401- Use properties of parallel lines to find angle measure | |
| G501- Use several angle properties to find an unknown angle measure | | | | |
| 1. ../../../../../Desktop/Screen%20Shot%202016-05-15%20at%2010.03.41%20AMSuppose *m*∠*AFG* = 128°. Label all missing angles on the picture below | | | 1. *Identify* and *correct* the error in the student work below. *Explain* why it is an error.  |  | | --- | | Solve for *x*.  ../../../../../Desktop/Screen%20Shot%202016-05-15%20at%2010.10.06%20AM 46x + 3 + 48x -1 = 180 94x +2 = 180 94x = 178 x = 1.9 (rounded) |   Error & Correction:   Explanation: | |
| 1. Solve for *x*.  ../../../../../Desktop/Screen%20Shot%202016-05-15%20at%2010.16.21%20AM | | | 1. Solve for x° and y°. ../../../../../Desktop/Screen%20Shot%202016-05-15%20at%2010.19.37%20AM | |
| G 202- Calculate the length of a line based on the lengths of the other line segments that go in the same direction | G 302- Compute the perimeter of polygons when all side lengths are given | | | G 303 Compute the area of rectangles when whole number dimensions are given |
| 1. Find the radius of the circle with a circumference of 16π. | | 1. Find the area of a circle with a circumference of 16π. | | |
| 1. Find the perimeter of the shape below. | | 1. Find the area of the shape below. | | |
| Apply properties of 30-60-90, 45-45-90 and congruent triangles | | | | |
| 1. Write a claim-evidence-resoning answer for why the two triangles are congruent. ../../../../../Desktop/Screen%20Shot%202016-05-15%20at%2010.29.53%20AM | | 1. *Explain* why we cannot determine if these two triangles are congruent.  ../../../../../Desktop/Screen%20Shot%202016-05-15%20at%2010.32.21%20AM | | |